

Air Emission Event Report Database Incident 370245

Export emission point and contaminant information to [[HYPERLINK](https://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.emissiondwnld&target=370245)
"https://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.emissiondwnld&target=370245"].

Incident Tracking Number:	370245	Incident Status:	CLOSED
Report Type:	FINAL	Report Date:	11/29/2021
Name of Owner or Operator:	INDORAMA VENTURES OXIDES LLC	CN:	CN605743038
Regulated Entity Name:	PORT NECHES OPERATIONS	RN:	RN100219252
Physical Location:	2701 SPUR 136; PORT NECHES, TX 77651		
County:	JEFFERSON		
Event/Activity Type:	EMISSIONS EVENT		

Date and Time Event Discovered or Scheduled Activity Start:	11/17/2021 07:31 AM
Date and Time Event or Scheduled Activity Ended:	11/17/2021 10:32 AM
Event Duration:	3 hours, 1 minutes

Process Unit or Area Common Names
E6 Unit

Facility Common Name	Facility Identification Number (FIN)
Port Neches Operations	

1 - Emission Point Common Name:			Emission Point Number:		
block valve					
List of Air Contaminant Compounds - 1 total					
Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Ethylene oxide	29.2	POUNDS	10.0	POUNDS	20134

Cause of Emission Event or Excess Opacity Event, or Reason for Scheduled Activity:
An ethylene oxide (EO) leak was discovered on a nitrogen purge valve. The valve was dripping EO from the packing.
Actions Taken, or Being Taken, to Minimize Emissions And/or Correct the Situation:
Upon discovery operations isolated the EO feed line, then cleared the line into the F4 kettle. The leak ceased at this time. Loose packing was identified as the source of the leak, which was then tightened as a final repair. Operations then pressure tested the line before placing it back in service.
Basis Used to Determine Quantities and Any Additional Information Necessary to Evaluate the Event:
Engineering calculation

Initial Notification Date/Time:	11/17/2021 03:40 PM	Method:	STEERS
Notification Jurisdictions:	REGION 10 - BEAUMONT		
Publication Status:	VERIFIED BY A CUSTOMER		

Air Emission Event Report Database Incident 363868

Export emission point and contaminant information to [[HYPERLINK](https://www2.tceq.texas.gov/occeer/index.cfm?fuseaction=main.emissiondwnld&target=363868)
"https://www2.tceq.texas.gov/occeer/index.cfm?fuseaction=main.emissiondwnld&target=363868"].

Incident Tracking Number:	363868	Incident Status:	CLOSED
Report Type:	FINAL	Report Date:	08/11/2021
Name of Owner or Operator:	INDORAMA VENTURES OXIDES LLC	CN:	CN605743038
Regulated Entity Name:	PORT NECHES OPERATIONS	RN:	RN100219252
Physical Location:	2701 SPUR 136; PORT NECHES, TX 77651		
County:	JEFFERSON		
Event/Activity Type:	EMISSIONS EVENT		

Date and Time Event Discovered or Scheduled Activity Start:	07/29/2021 09:45 PM
Date and Time Event or Scheduled Activity Ended:	07/29/2021 09:48 PM
Event Duration:	0 hours, 3 minutes

Process Unit or Area Common Names
F8 Unit

Facility Common Name	Facility Identification Number (FIN)
F8 Unit	

1 - Emission Point Common Name:	Emission Point Number:
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F8 Unit Process Vent					
List of Air Contaminant Compounds - 2 total					
Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Ethylene (gaseous)	9562.28	POUNDS	0.0		NA
Ethylene oxide	231.85	POUNDS	0.0		NA

Cause of Emission Event or Excess Opacity Event, or Reason for Scheduled Activity:
Unit depressured through blown rupture disc.
Actions Taken, or Being Taken, to Minimize Emissions And/or Correct the Situation:
Unit was shut down.
Basis Used to Determine Quantities and Any Additional Information Necessary to Evaluate the Event:
Engineering calculations were used to estimate release quantities. No injuries or off-site impact resulted from this incident.

Initial Notification Date/Time:	07/30/2021 10:17 AM	Method:	STEERS
Notification Jurisdictions:	REGION 10 - BEAUMONT		
Publication Status:	VERIFIED BY A CUSTOMER		

Air Emission Event Report Database Incident 360296

Export emission point and contaminant information to [[HYPERLINK](https://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.emissiondwnld&target=360296)
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Incident Tracking Number:	360296	Incident Status:	CLOSED
Report Type:	FINAL	Report Date:	06/28/2021
Name of Owner or Operator:	INDORAMA VENTURES OXIDES LLC	CN:	CN605743038
Regulated Entity Name:	PORT NECHES OPERATIONS	RN:	RN100219252
Physical Location:	2701 SPUR 136; PORT NECHES, TX 77651		
County:	JEFFERSON		
Event/Activity Type:	EMISSIONS EVENT		

Date and Time Event Discovered or Scheduled Activity Start:	06/14/2021 03:53 PM
Date and Time Event or Scheduled Activity Ended:	06/14/2021 04:22 PM
Event Duration:	0 hours, 29 minutes

Process Unit or Area Common Names
F6 Unit

Facility Common Name	Facility Identification Number (FIN)
F6 Unit	

1 - Emission Point Common Name:	Emission Point Number:
F6 Unit Process Vents	

List of Air Contaminant Compounds - 2 total					
Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Ethylene (gaseous)	555.2	POUNDS	0.0		N/A
Ethylene oxide	1720.91	POUNDS	0.0		N/A

Cause of Emission Event or Excess Opacity Event, or Reason for Scheduled Activity:
While attempting to increase the reabsorber bottoms flow, the refiner feed flow decreased. This circumstance put the Refiner, and Reabsorber levels in a swing. The reabsorber/waste gas vent opened during this upset.
Actions Taken, or Being Taken, to Minimize Emissions And/or Correct the Situation:
Operations took immediate action to correct the upset conditions. Within approximately 30 minutes, the unit was stabilized, and the emission event ceased.
Basis Used to Determine Quantities and Any Additional Information Necessary to Evaluate the Event:
Engineering calculations were used to determine emission quantities.

Initial Notification Date/Time:	06/16/2021 07:10 PM	Method:	STEERS
Notification Jurisdictions:	REGION 10 - BEAUMONT		
Publication Status:	VERIFIED BY A CUSTOMER		

Air Emission Event Report Database Incident 352925

Export emission point and contaminant information to [[HYPERLINK](https://www2.tceq.texas.gov/occeer/index.cfm?fuseaction=main.emissiondwnld&target=352925) "https://www2.tceq.texas.gov/occeer/index.cfm?fuseaction=main.emissiondwnld&target=352925"].

Incident Tracking Number:	352925	Incident Status:	CLOSED
Report Type:	FINAL	Report Date:	04/01/2021
Name of Owner or Operator:	INDORAMA VENTURES OXIDES LLC	CN:	CN605743038
Regulated Entity Name:	PORT NECHES OPERATIONS	RN:	RN100219252
Physical Location:	2701 SPUR 136; PORT NECHES, TX 77651		
County:	JEFFERSON		
Event/Activity Type:	EMISSIONS EVENT		

Date and Time Event Discovered or Scheduled Activity Start:	03/18/2021 09:00 AM
Date and Time Event or Scheduled Activity Ended:	03/18/2021 09:53 AM
Event Duration:	0 hours, 53 minutes

Process Unit or Area Common Names
F4 Unit

Facility Common Name	Facility Identification Number (FIN)
F4 Ethylene Oxide Unit	

1 - Emission Point Common Name:	Emission Point Number:
F4 Rupture Disk Holder	N/A

List of Air Contaminant Compounds - 1 total					
Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Ethylene oxide	199.01	POUNDS	0.0		N/A; No specific emissions authorizations for this facility

Cause of Emission Event or Excess Opacity Event, or Reason for Scheduled Activity:
A leak was found on the F4 EO Stripper rupture disk holder.
Actions Taken, or Being Taken, to Minimize Emissions And/or Correct the Situation:
O2 feed was cut and the unit was shutdown.
Basis Used to Determine Quantities and Any Additional Information Necessary to Evaluate the Event:
Engineering Calculations were used to estimate release quantities. There were no injuries associated with this event. The facility performed fenceline monitoring and no emissions were detected.

Initial Notification Date/Time:	03/18/2021 03:39 PM	Method:	STEERS
Notification Jurisdictions:	REGION 10 - BEAUMONT		
Publication Status:	VERIFIED BY A CUSTOMER		

Air Emission Event Report Database Incident 352596

Export emission point and contaminant information to [[HYPERLINK](https://www2.tceq.texas.gov/occeer/index.cfm?fuseaction=main.emissiondwnld&target=352596) "https://www2.tceq.texas.gov/occeer/index.cfm?fuseaction=main.emissiondwnld&target=352596"].

Incident Tracking Number:	352596	Incident Status:	CLOSED
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Report Type:	FINAL	Report Date:	03/26/2021
Name of Owner or Operator:	INDORAMA VENTURES OXIDES LLC	CN:	CN605743038
Regulated Entity Name:	PORT NECHES OPERATIONS	RN:	RN100219252
Physical Location:	2701 SPUR 136; PORT NECHES, TX 77651		
County:	JEFFERSON		
Event/Activity Type:	EMISSIONS EVENT		

Date and Time Event Discovered or Scheduled Activity Start:	03/12/2021 07:00 PM
Date and Time Event or Scheduled Activity Ended:	03/12/2021 11:40 PM
Event Duration:	4 hours, 40 minutes

Process Unit or Area Common Names
F4 Unit

Facility Common Name	Facility Identification Number (FIN)
F4 Ethylene Oxide Unit	

1 - Emission Point Common Name:	Emission Point Number:
F4 Unit Process Vents	N/A
List of Air Contaminant Compounds - 2 total	

Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Ethylene (gaseous)	851.64	POUNDS	0.0		N/A; No specific emissions authorizations for this facility
Ethylene oxide	1.43	POUNDS	0.0		N/A; No specific emissions authorizations for this facility

2 - Emission Point Common Name:	Emission Point Number:
Rupture Disk Holder	N/A

List of Air Contaminant Compounds - 1 total

Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Ethylene oxide	337.95	POUNDS	0.0		N/A; No specific emissions authorizations for this facility

Cause of Emission Event or Excess Opacity Event, or Reason for Scheduled Activity:

A leak was found on the F4 EO Stripper rupture disk holder and the atmospheric vents opened while shutting down the unit.

Actions Taken, or Being Taken, to Minimize Emissions And/or Correct the Situation:

Feed was cut and the unit was shutdown.

Basis Used to Determine Quantities and Any Additional Information Necessary to Evaluate the Event:

Engineering Calculations were used to estimate release quantities. The rupture disk holder leak duration was 3/12/21 19:00-20:30. The venting duration was 3/12/21 20:00-23:40. There were no injuries associated with this event. The facility performed fenceline monitoring and no emissions were detected.

Initial Notification Date/Time:	03/13/2021 11:40 AM	Method:	STEERS
Notification Jurisdictions:	REGION 10 - BEAUMONT		

Publication Status:	VERIFIED BY A CUSTOMER
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Air Emission Event Report Database Incident 351681

Export emission point and contaminant information to [[HYPERLINK](https://www2.tceq.texas.gov/occeer/index.cfm?fuseaction=main.emissiondwnld&target=351681) "https://www2.tceq.texas.gov/occeer/index.cfm?fuseaction=main.emissiondwnld&target=351681"].

Incident Tracking Number:	351681	Incident Status:	OPEN
Report Type:	INITIAL	Report Date:	02/26/2021
Name of Owner or Operator:	INDORAMA VENTURES OXIDES LLC	CN:	CN605743038
Regulated Entity Name:	HUNTSMAN PORT NECHES	RN:	RN100219252
Physical Location:	2701 SPUR 136; PORT NECHES, TX 77651		
County:	JEFFERSON		
Event/Activity Type:	EMISSIONS EVENT		

Date and Time Event Discovered or Scheduled Activity Start:	02/26/2021 10:00 AM
Date and Time Event or Scheduled Activity Ended:	02/27/2021 02:00 PM
Event Duration:	28 hours, 0 minutes

Process Unit or Area Common Names
F6 Unit

Facility Common Name	Facility Identification Number (FIN)
F6 Ethylene Oxide Unit	

1 - Emission Point Common Name:	Emission Point Number:
F6 Reabsorber Vent	

List of Air Contaminant Compounds - 1 total

Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Ethylene oxide	1004.0	POUNDS	0.0		N/A

Cause of Emission Event or Excess Opacity Event, or Reason for Scheduled Activity:

After the F6 unit shutdown from the winter storm, Nitrogen was used to sweep the unit. Extra Nitrogen is entering the system and over-pressuring the Reabsorber atmospheric vent and causing Ethylene Oxide to exit the Reabsorber atmospheric vent.

Actions Taken, or Being Taken, to Minimize Emissions And/or Correct the Situation:

The unit is shut down and operations is trying to find the source of the extra Nitrogen that is entering the system causing the Reabsorber atmospheric vent to open.

Basis Used to Determine Quantities and Any Additional Information Necessary to Evaluate the Event:

Engineering calculations were used to estimated current release quantities. The release was discovered around 10:00 on 2/26. After discovery, it was determined that the release actually started around 10:40 on 2/25. This release is currently ongoing. We have no offsite impact (confirmed by fence line monitoring) as well as no injuries as a result of this release.

Initial Notification Date/Time:	02/26/2021 02:56 PM	Method:	STEERS
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Notification Jurisdictions:	REGION 10 - BEAUMONT
Publication Status:	VERIFIED BY A CUSTOMER

Air Emission Event Report Database Incident 350947

Export emission point and contaminant information to [[HYPERLINK](https://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.emissiondwnld&target=350947) "https://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.emissiondwnld&target=350947"].

Incident Tracking Number:	350947	Incident Status:	OPEN
Report Type:	INITIAL	Report Date:	02/20/2021
Name of Owner or Operator:	INDORAMA VENTURES OXIDES LLC	CN:	CN605743038
Regulated Entity Name:	HUNTSMAN PORT NECHES	RN:	RN100219252
Physical Location:	2701 SPUR 136; PORT NECHES, TX 77651		
County:	JEFFERSON		
Event/Activity Type:	EMISSIONS EVENT		

Date and Time Event Discovered or Scheduled Activity Start:	02/19/2021 10:26 PM
Date and Time Event or Scheduled Activity Ended:	02/20/2021 09:50 AM
Event Duration:	11 hours, 24 minutes

Process Unit or Area Common Names
F6 Unit

Facility Common Name	Facility Identification Number (FIN)
F6 Ethylene Oxide Unit	

1 - Emission Point Common Name:	Emission Point Number:
F6 Reabsorber Vent	
List of Air Contaminant Compounds - 1 total	

Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Ethylene oxide	18.86	POUNDS	0.0		N/A

Cause of Emission Event or Excess Opacity Event, or Reason for Scheduled Activity:

Nitrogen was used to sweep the unit following a shut down from the winter storm. Nitrogen was passed into the Scrubber system and reabsorber to prevent a vacuum forming on the tower. Residual Ethylene Oxide had vaporized and traveled to the reabsorber and passed through the reabsorber vent.

Actions Taken, or Being Taken, to Minimize Emissions And/or Correct the Situation:

Unit is shut down at the time. Vent was closed as soon as possible to minimize emissions to atmosphere.

Basis Used to Determine Quantities and Any Additional Information Necessary to Evaluate the Event:

Engineering calculations were used to determine release quantities.

Initial Notification Date/Time:	02/20/2021 07:45 PM	Method:	STEERS
Notification Jurisdictions:	REGION 10 - BEAUMONT		
Publication Status:	VERIFIED BY A CUSTOMER		

Air Emission Event Report Database Incident 350679

Export emission point and contaminant information to [[HYPERLINK](https://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.emissiondwld&target=350679) "https://www2.tceq.texas.gov/oce/eer/index.cfm?fuseaction=main.emissiondwld&target=350679"].

Incident Tracking Number:	350679	Incident Status:	OPEN
Report Type:	INITIAL	Report Date:	02/16/2021
Name of Owner or Operator:	INDORAMA VENTURES OXIDES LLC	CN:	CN605743038
Regulated Entity Name:	HUNTSMAN PORT NECHES	RN:	RN100219252

Physical Location:	2701 SPUR 136; PORT NECHES, TX 77651
County:	JEFFERSON
Event/Activity Type:	EMISSIONS EVENT

Date and Time Event Discovered or Scheduled Activity Start:	02/15/2021 06:00 AM
Date and Time Event or Scheduled Activity Ended:	02/16/2021 06:00 AM
Event Duration:	24 hours, 0 minutes

Process Unit or Area Common Names
A3 Unit
F6 unit

Facility Common Name	Facility Identification Number (FIN)
A3 South, center & north Flare	uer044, 46, 37
F6 Unit	F6FUG

1 - Emission Point Common Name:	Emission Point Number:
A3 Center Flare	UER046

List of Air Contaminant Compounds - 4 total					
Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Carbon Monoxide	805.0	POUNDS	94.9	LBS/HR	19823
NOX	238.0	POUNDS	16.36	LBS/HR	19823
Opacity	90.0	% OPACITY	0.0		19823
VOC (unclassified)	311.0	POUNDS	65.0	LBS/HR	19823

2 - Emission Point Common Name:	Emission Point Number:
A3 North Flare	UER044

List of Air Contaminant Compounds - 4 total
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Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Carbon Monoxide	727.0	POUNDS	94.9	LBS/HR	19823
NOX	224.0	POUNDS	16.36	LBS/HR	19823
Opacity	90.0	% OPACITY	0.0		19823
VOC (unclassified)	294.0	POUNDS	65.0	LBS/HR	19823

3 - Emission Point Common Name:	Emission Point Number:
A3 South Flare	UER037

List of Air Contaminant Compounds - 4 total

Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Carbon Monoxide	4843.0	POUNDS	53.59	LBS/HR	19823
NOX	1048.0	POUNDS	10.31	LBS/HR	19823
Opacity	90.0	% OPACITY	0.0		19823
VOC (unclassified)	4145.0	POUNDS	32.87	LBS/HR	19823

4 - Emission Point Common Name:	Emission Point Number:
EO Scrubber	F6FUG

List of Air Contaminant Compounds - 1 total

Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Ethylene oxide	1200.0	POUNDS	0.0		5952A

5 - Emission Point Common Name:	Emission Point Number:
Reabsorber Vent	n/a

List of Air Contaminant Compounds - 1 total

Description	Est. Quantity/ Opacity	Units	Emission Limit	Units	Authorization
Ethylene (liquid)	427.0	POUNDS	0.0		5952A

Cause of Emission Event or Excess Opacity Event, or Reason for Scheduled Activity:
Cause of the event for the EO scrubber and F6 reabsorber vent is that the extreme temperature caused the cycle water to get too cold which caused an influx of gas being absorbed and overwhelmed the EO stripper and reabsorber. This resulted in the venting to the atmosphere A3 unit tripped with the waste heat boiler down thereby flaring material leading to opacity at the flare as well as excess flaring.
Actions Taken, or Being Taken, to Minimize Emissions And/or Correct the Situation:
Once the pressure decreased in the towers, venting stopped. Many of the units were shut down, minimized rates or idled to minimize any emissions or smoke at the flares.
Basis Used to Determine Quantities and Any Additional Information Necessary to Evaluate the Event:
Preliminary Engineering estimates, visual observations of the flare.

Initial Notification Date/Time:	02/16/2021 12:14 AM	Method:	STEERS
Notification Jurisdictions:	REGION 10 - BEAUMONT		
Publication Status:	VERIFIED BY A CUSTOMER		